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ALBERTA POPULATION GROWTH

FIRST QUARTER, 1989



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Message From the Provincial Treasurer

I am delighted to congratulate the Alberta Bureau of Statistics for serving Albertans successfully for 50 years.

Since 1939, ABS has reported on Alberta as it shaped itself socially and economically into a diverse and dynamic province...a province rich in culture and industry. Exciting changes in the last half century include a population that has more than tripled in size; urban communities that have grown to over a half a million; an agricultural industry that has expanded into world-wide markets; and new industries that have broadened our economy.

Alberta fosters a dynamic rural community while continually developing our natural resources, manufacturing and service industries to keep our province robust and prosperous. In our increasingly diversified economy, advanced technology has created new jobs and new opportunities, tourism has become Alberta's third largest industry, and forestry has become a powerful influence.

ABS continues to track these changes by analyzing information from many sources and making it available to all Albertans. Meeting the challenge of the future, the Bureau uses the ASIST database to distribute a wealth of information electronically for many regions of the province.

I applaud all those dedicated employees, both past and present, who have provided these valuable services. The contributions of ABS help keep us close to the people and Province of Alberta. I wish the Bureau every success in its next half century.

A handwritten signature in dark ink, which appears to read "Dick Johnston". The signature is fluid and cursive, with a large initial "D" and "J".

Dick Johnston
Provincial Treasurer

ALBERTA POPULATION GROWTH
FIRST QUARTER, 1989

June, 1989

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PREFACE

This publication presents up-to-date information on quarterly population estimates and growth components (births, deaths and migration) for the Province of Alberta. These statistics are derived using administrative data files obtained from several government agencies.

Data are also computer-accessible via ASIST (Alberta Statistical Information System) matrices #6128, 6130, 6140 and 6141. Enquiries concerning the publication or requests for additional copies or previous quarterly reports should be directed to:

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INTRODUCTION

This publication contains up-to-date estimates of population and its growth components (births, deaths, and migration) up to the first quarter of 1989. Statistics on interprovincial migration flows between Alberta and the other provinces, population growth components by census years (1986-1988) and population by five-year age group and sex for January 1, 1988 and 1989 are also included in Tables 3, 5, and 6, respectively. In this edition, quarterly estimates for 1986 to 1988 have been revised.

Three charts are included in this publication. Figures 1 and 2 highlight long-term trends in population growth and in interprovincial migration for 1981 to 1989. Figure 3 illustrates population exchange between Alberta and other provinces for the first quarter of 1989.

The appendix contains a brief description of the methodology and data sources used in deriving these statistics.

REVIEW OF THE DATA:

In the first quarter of 1989, net migration (international plus interprovincial) continued to contribute positively to population growth. This is the first time since 1981 that Alberta has had five consecutive quarters of positive net migration. The migration gain in the first three months of 1989 contributed to the largest first quarter population growth since 1986.

Quarterly Growth

- In the first quarter of 1989, the population increased by 8,000, reaching 2.42 million as of April 1, 1989 (Table 1 and Figure 1).

- Net migration was 930, up from 690 in the fourth quarter of 1988 (Tables 1 and 2).
- The net loss from interprovincial migration declined from 1,530 in the previous quarter to 660 in the first quarter (Table 2).
- This loss from interprovincial migration was more than offset by the net gain from international migration. In the first three months of 1989, 2,580 people immigrated to Alberta while 990 Albertans left the country, resulting in a net international migration gain of 1,590 (Table 2).

Annual Growth (year ending April 1, 1989)

- Over the past year, Alberta's annual population growth rate has increased steadily from 0.6% in the first quarter of 1988 to nearly 1.5% in the first quarter of 1989.
- This higher growth is attributed to the positive trend in net migration. For the first time since 1981, Alberta had five consecutive quarters of gains from net migration.
- Alberta experienced a smaller loss from interprovincial migration. During the year, Alberta lost only 1,930 people to other provinces, down considerably from 20,840 in the previous year.
- A main reason for the reduction in interprovincial outflows was movements vis-a-vis Ontario. In the past year, Alberta had a net loss of only 2,620 people to Ontario. In the previous year the loss was 11,120.
- For the year ending March 31, 1989, Alberta had a net gain of 8,240 from international migration, the largest annual gain since 1983.

Age-Sex Composition (January 1, 1988 and 1989)

- The population structure continued to reflect a trend towards an aging population. The proportion of the elderly population (65 and over) increased from 8.6% in January, 1988 to 8.8% as of January, 1989.
- The proportion of the working age population (15-64) declined slightly from 67.5% to 67.3% in 1989. While the proportion of older workers (30-64) increased from 40.9% to 41.5%, the younger labour market group (15-29) declined from 26.6% in 1988 to 25.8% in 1989. The change in the proportion of the older workers is attributed to the aging of the baby boom generation. This may also partially account for the decline in the number of younger workers. Another reason for the reduced proportion of younger workers is that these workers are more likely to migrate to other parts of the country.
- The proportion of children (0-14) remained stable at 23.9%.
- The trend towards an aging population is further indicated by examining the shift in the old age dependency ratio. This is defined as the proportion of the elderly group (65 and over) to the working age population, 15-64. The old age dependency ratio increased from 12.8% in 1988 to 13.1% in 1989.
- The child dependency ratio (the proportion of children to the working age population) increased slightly from 35.4% to 35.6%.

FIGURE 1
POPULATION GROWTH
WITH MAJOR COMPONENTS
ALBERTA, 1981-1989

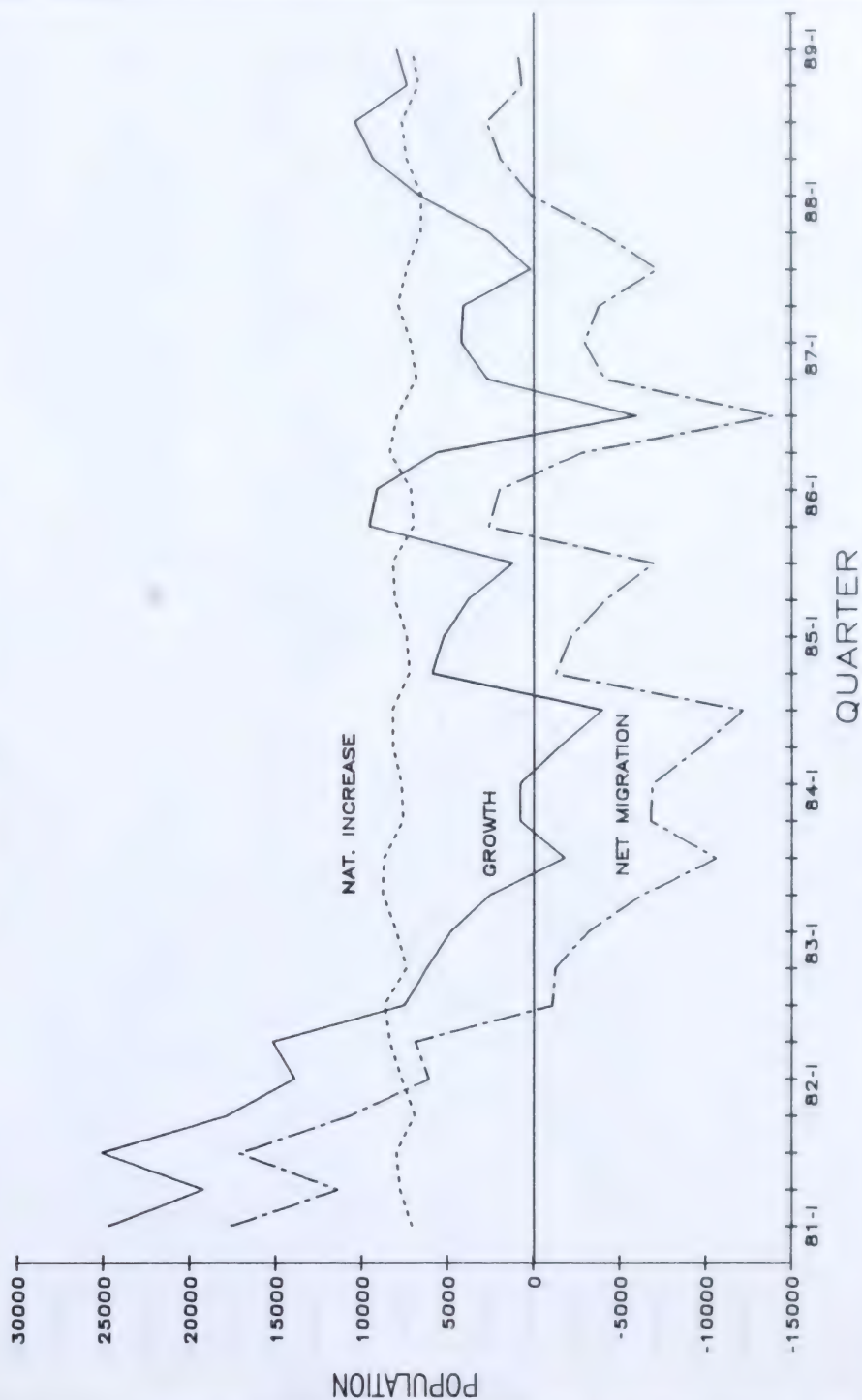


FIGURE 2
INTERPROVINCIAL MIGRATION
WITH MAJOR COMPONENTS
ALBERTA, 1981-1989

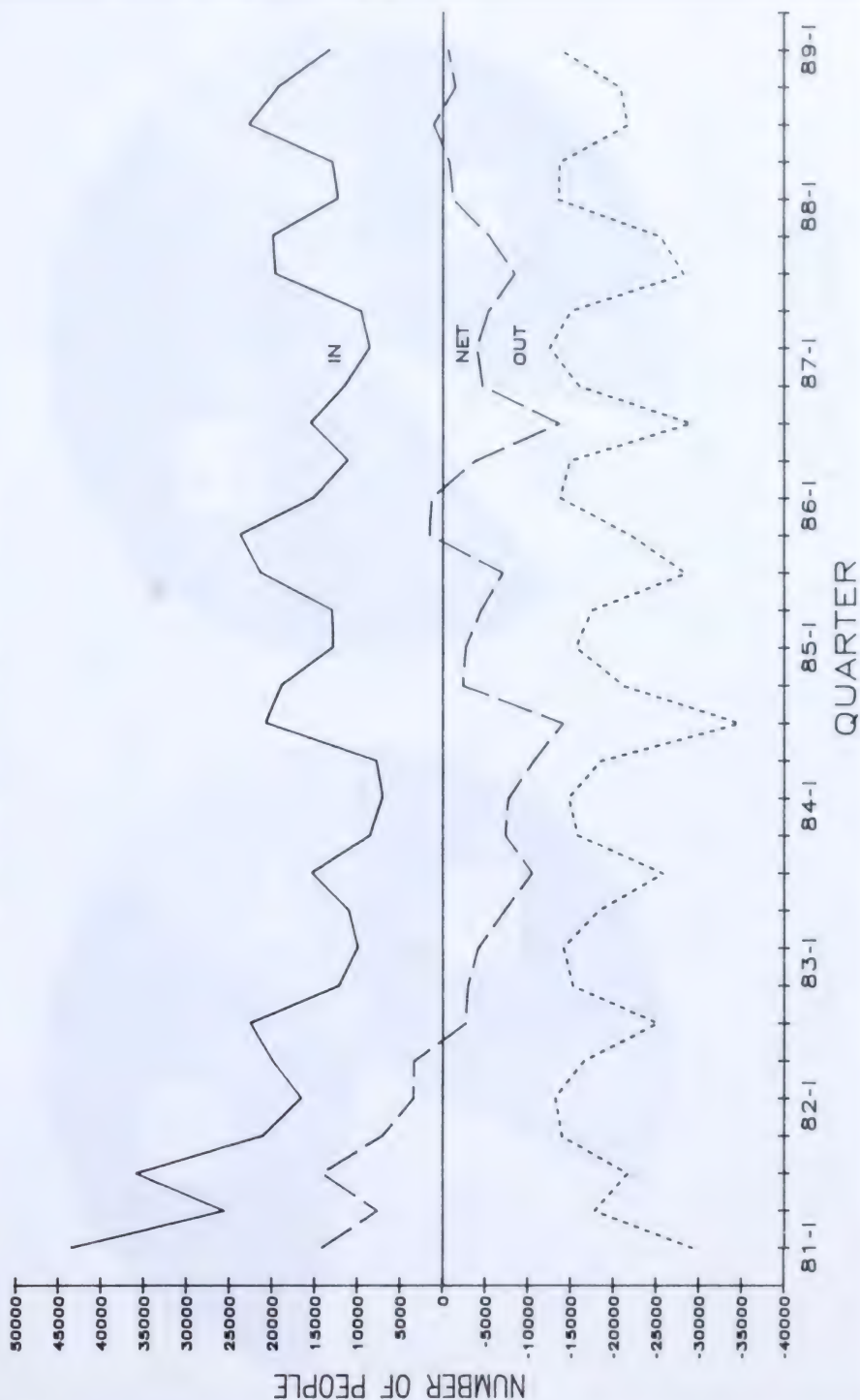
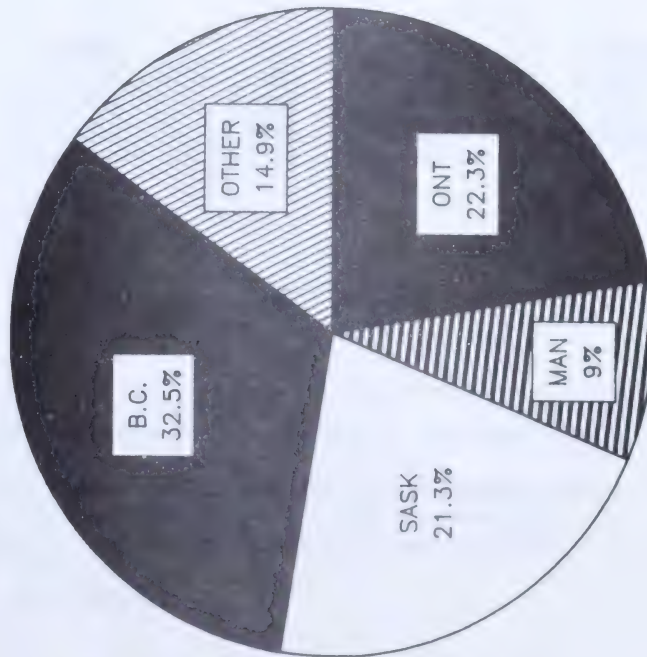
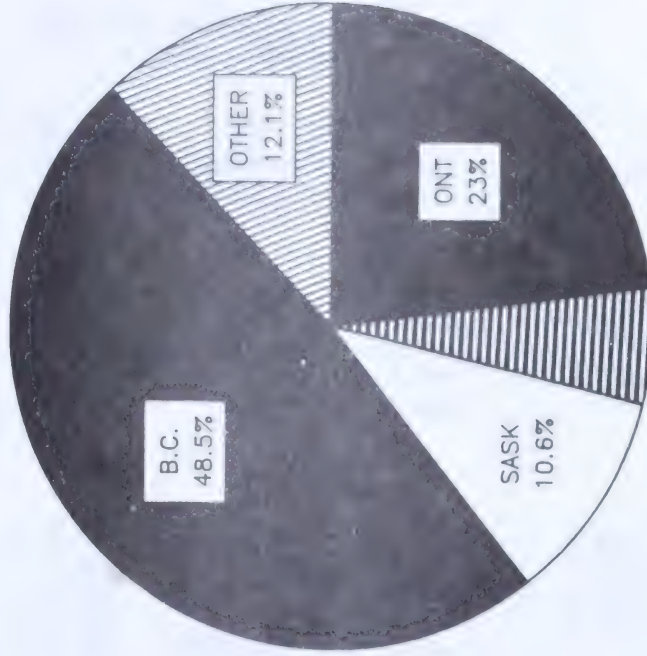


FIGURE 3
POPULATION EXCHANGE
ALBERTA AND OTHER PROVINCES
FIRST QUARTER, 1989



IN-MIGRATION
(13,260 PERSONS)



OUT-MIGRATION
(13,920 PERSONS)

TABLE 1
POPULATION GROWTH BY MAJOR COMPONENT
ALBERTA, 1986 TO 1989

Quarter	Natural Increase	Net Migration	Growth	Population
1986				
I	7,170	1,950	9,120	2,368,200
IIr	8,380	-2,780	5,600	2,373,800
IIIr	7,930	-13,930	-6,000	2,367,800
IVr	6,830	-4,130	2,700	2,370,500
TOTAL	30,310	-18,890	11,420	
1987				
Ir	7,160	-2,950	4,210	2,374,700
IIr	7,900	-3,810	4,090	2,378,800
IIIr	7,390	-7,190	200	2,379,000
IVr	6,550	-3,950	2,600	2,381,600
TOTAL	29,000	-17,900	11,100	
1988				
Ir	6,530	120	6,650	2,388,300
IIr	7,440	1,950	9,390	2,397,600
IIIr	7,700	2,740	10,440	2,408,100
IVr	6,700	690	7,390	2,415,500
TOTAL	28,370	5,500	33,870	
1989				
Ip	7,070	930	8,000	2,423,500

Notes: Reference date for population is the first day of the subsequent quarter.
Total population is rounded to the nearest 100.
Data may not add to totals due to rounding.
Data can be retrieved via ASIST matrix 6128.
r: revised
p: preliminary

TABLE 2

MIGRATION BY COMPONENT
ALBERTA, 1986 TO 1989

Quarter	International			Interprovincial		
	Im- migration	Em- igration	Net	In Migration	Out Migration	Net
1986						
I	2,200	1,440	760	15,040	13,850	1,190
IIr	2,540	1,360	1,180	11,090	15,050	-3,960
IIIr	2,540	2,730	-190	15,450	29,190	-13,740
IVr	2,310	1,750	560	11,410	16,100	-4,690
TOTAL	9,590	7,280	2,310	52,990	74,190	-21,200
1987						
Ir	2,610	1,530	1,080	8,540	12,570	-4,030
IIr	3,090	1,400	1,690	9,640	15,140	-5,500
IIIr	3,320	1,970	1,350	19,670	28,210	-8,540
IVr	2,980	1,370	1,610	19,970	25,530	-5,560
TOTAL	12,000	6,270	5,730	57,820	81,450	-23,630
1988						
I	2,450	1,090	1,360	12,300	13,540	-1,240
II	3,900	1,160	2,740	13,000	13,790	-790
IIIr	3,790	2,100	1,690	22,750	21,700	1,050
IVr	3,660	1,440	2,220	19,260	20,790	-1,530
TOTAL	13,800	5,790	8,010	67,310	69,820	-2,510
1989						
Ip	2,580	990	1,590	13,260	13,920	-660

Notes: Data may not add to totals due to rounding.

Data can be retrieved via ASIST matrices 6128 and 6130.

r: revised

p: preliminary

TABLE 3

POPULATION EXCHANGE WITH OTHER PROVINCES
ALBERTA, 1988 TO 1989

Quarter	Migration	NFLD	PEI	NS	NB	QUE	ONT	MAN	SASK	BC	TERR	TOTAL
1988												
I	To Alta.	200	10	250	150	350	3240	790	2800	4270	270	12300
	From Alta.	210	90	280	140	350	3730	750	1370	6340	280	13540
	Net Exchange	-10	-80	-30	10	0	-490	40	1430	-2070	-10	-1240
II	To Alta.	160	60	280	230	580	3180	1090	2660	4490	270	13000
	From Alta.	220	80	320	260	460	3810	670	1300	6280	390	13790
	Net Exchange	-60	-20	-40	-30	120	-630	420	1360	-1790	-120	-790
IIIr	To Alta.	560	160	790	650	1190	5540	2360	4610	6170	710	22740
	From Alta.	400	160	820	530	790	6530	1220	1650	9180	420	21690
	Net Exchange	160	0	-30	120	400	-990	1140	2960	-3010	290	1050
IVr	To Alta.	400	50	620	450	630	4480	1910	3980	6050	700	19270
	From Alta.	280	170	600	400	600	5340	1370	1910	9570	550	20790
	Net Exchange	120	-130	20	50	30	-860	540	2070	-3520	150	-1530
TOTAL	To Alta.	1320	280	1930	1480	2750	16440	6140	14040	20970	1950	67310
	From Alta.	1110	500	2020	1320	2200	19410	4020	6240	31360	1640	69810
	Net Exchange	210	-220	-90	160	540	-2970	2130	7810	-10390	310	-2500

Data may not add to totals due to rounding.
 Data can be retrieved via ASIST matrix 6130.
 r: revised
 p: preliminary

TABLE 3 (concluded)

POPULATION EXCHANGE WITH OTHER PROVINCES

ALBERTA, 1988 TO 1989

Quarter	Migration	NFLD	PEI	NS	NB	QUE	ONT	MAN	SASK	BC	TERR	TOTAL
1989												
Ip	To Alta.	270	20	400	170	620	2960	1190	2820	4310	500	13260
	From Alta.	170	50	290	370	370	3200	810	1480	6750	430	13920
	Net Exchange	100	-30	110	-200	250	-240	380	1340	-2440	70	-660

Notes: Data may not add to totals due to rounding.
 Data can be retrieved via ASIST matrix 6130.
 r: revised
 p: preliminary

TABLE 4

NATURAL INCREASE BY COMPONENT
ALBERTA, 1986 TO 1989

Quarter	Births	Deaths	Natural Increase
1986			
I	10,660	3,490	7,170
IIr	11,790	3,410	8,380
IIIr	11,210	3,280	7,930
IVr	10,300	3,470	6,830
TOTAL	43,960	13,650	30,310
1987			
Ir	10,450	3,290	7,160
IIr	11,280	3,380	7,900
IIIr	10,690	3,300	7,390
IVr	9,950	3,400	6,550
TOTAL	42,370	13,370	29,000
1988			
Ir	10,210	3,680	6,530
IIr	10,830	3,390	7,440
IIIr	11,040	3,340	7,700
IVr	10,260	3,560	6,700
TOTAL	42,340	13,970	28,370
1989			
Ip	10,550	3,480	7,070

Notes: Data may not add to totals due to rounding.
 Data can be retrieved via ASIST matrix 6128.
 r: revised
 p: preliminary

TABLE 5

POPULATION GROWTH BY CENSUS YEAR, BY COMPONENT
ALBERTA, 1981 TO 1988
(IN THOUSANDS)

Population Year (June 1)	Growth	Natural Increase		Migration			Total Net Migration					
		Births	Deaths	Net	Interprovincial							
					In	Out						
					Immig.	Emig.	Net					
1981	2,237.3	77.2	44.0	13.2	30.8	20.6	7.3	13.2	98.0	64.8	33.3	46.5
1982	2,314.5	24.1	45.6	13.0	32.7	14.5	7.9	6.6	57.9	72.9	-15.1	-8.5
1983	2,338.7	-0.2	45.1	12.7	32.4	10.6	7.8	2.8	39.9	75.3	-35.4	-32.6
1984	2,338.5	10.1	44.2	13.0	31.2	9.5	5.4	4.1	64.5	89.8	-25.2	-21.1
1985	2,348.5	26.6	44.3	13.6	30.7	10.2	6.6	3.6	74.2	81.8	-7.7	-4.1
1986r	2,375.1	2.6	43.3	13.4	29.9	10.4	7.4	3.0	46.2	76.5	-30.3	-27.3
1987r	2,377.7	17.3	41.8	13.8	28.0	12.5	5.7	6.8	64.5	82.0	-17.5	-10.7
1988r	2,395.0											

Notes: Data may not add to totals due to rounding.

TABLE 6
POPULATION BY AGE AND SEX
ALBERTA, 1988 AND 1989

AGE	JANUARY 1, 1988			JANUARY 1, 1989		
	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL
0	20,750	19,540	40,290	21,140	20,630	41,770
1	21,410	20,400	41,800	21,390	20,100	41,490
2	21,200	20,120	41,320	21,370	20,420	41,790
3	21,180	20,130	41,300	21,310	20,100	41,410
4	21,300	19,970	41,260	21,150	20,120	41,270
0-4	105,830	100,150	205,980	106,370	101,360	207,730
5	20,450	19,820	40,270	21,390	19,910	41,300
6	19,980	18,980	38,960	20,460	19,790	40,260
7	19,330	18,300	37,620	19,930	18,960	38,890
8	18,840	17,960	36,790	19,410	18,300	37,710
9	18,320	17,250	35,570	18,900	17,860	36,760
5-9	96,920	92,290	189,220	100,090	94,830	194,920
10	18,480	17,370	35,850	18,270	17,230	35,500
11	18,140	17,100	35,250	18,420	17,370	35,790
12	17,820	17,040	34,870	18,190	17,100	35,280
13	17,320	16,640	33,970	17,800	17,020	34,820
14	17,440	16,480	33,920	17,370	16,740	34,110
10-14	89,210	84,640	173,850	90,050	85,450	175,500
15	17,740	16,700	34,440	17,480	16,610	34,090
16	18,580	17,430	36,010	17,770	16,830	34,600
17	18,970	17,880	36,850	18,760	17,630	36,380
18	18,350	18,200	36,540	19,160	18,290	37,440
19	18,790	18,360	37,150	18,770	18,850	37,610
15-19	92,420	88,570	180,990	91,930	88,200	180,130
20	19,170	19,280	38,450	19,030	18,710	37,740
21	18,640	19,250	37,890	18,710	18,980	37,690
22	19,770	20,280	40,050	18,950	19,420	38,370
23	21,420	22,420	43,840	20,280	20,420	40,700
24	22,800	23,690	46,490	21,750	22,500	44,260
20-24	101,800	104,920	206,720	98,730	100,030	198,760
25	23,340	24,440	47,780	23,010	23,780	46,790
26	23,950	24,670	48,620	23,640	24,430	48,070
27	25,110	24,890	50,000	24,130	24,670	48,800
28	25,210	24,880	50,100	25,120	24,890	50,010
29	25,210	24,580	49,790	25,200	24,800	50,000
25-29	122,830	123,460	246,290	121,090	122,580	243,670

SEE NOTES AT END OF TABLE.

TABLE 6 (CONTINUED)
POPULATION BY AGE AND SEX
ALBERTA, 1988 AND 1989

AGE	JANUARY 1, 1988			JANUARY 1, 1989		
	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL
30	25,050	24,200	49,250	25,180	24,470	49,650
31	24,950	23,730	48,680	25,050	24,070	49,120
32	24,430	23,360	47,780	24,840	23,690	48,530
33	23,800	22,470	46,270	24,230	23,260	47,490
34	22,350	21,310	43,650	23,620	22,330	45,950
30-34	120,570	115,070	235,640	122,920	117,820	240,740
35	21,320	20,150	41,470	22,210	21,140	43,350
36	19,920	18,980	38,890	21,130	20,010	41,140
37	19,320	18,490	37,810	19,840	18,960	38,800
38	18,770	17,760	36,530	19,170	18,370	37,540
39	18,090	17,770	35,860	18,640	17,740	36,370
35-39	97,420	93,150	190,570	100,990	96,220	197,200
40	18,830	18,420	37,250	17,980	17,680	35,660
41	16,380	15,980	32,360	18,650	18,310	36,960
42	14,580	14,070	28,650	16,270	15,890	32,160
43	14,220	13,480	27,700	14,490	14,020	28,510
44	13,910	13,340	27,250	14,120	13,370	27,490
40-44	77,930	75,280	153,210	81,510	79,280	160,790
45	13,090	12,790	25,880	13,780	13,320	27,100
46	12,120	11,570	23,680	13,030	12,710	25,740
47	11,870	11,350	23,220	12,020	11,570	23,590
48	11,290	10,760	22,060	11,830	11,270	23,110
49	10,810	10,560	21,370	11,210	10,740	21,960
45-49	59,190	57,030	116,220	61,880	59,620	121,500
50	10,440	10,150	20,590	10,760	10,510	21,270
51	10,570	10,030	20,600	10,380	10,090	20,470
52	10,370	9,860	20,230	10,480	9,980	20,460
53	10,310	9,870	20,180	10,310	9,850	20,160
54	10,150	9,350	19,490	10,220	9,780	19,990
50-54	51,840	49,260	101,090	52,140	50,220	102,360
55	10,210	9,700	19,910	10,040	9,300	19,340
56	9,880	9,200	19,080	10,080	9,630	19,710
57	10,120	9,520	19,640	9,770	9,160	18,940
58	9,560	9,120	18,680	10,020	9,460	19,480
59	9,190	8,850	18,040	9,460	9,090	18,550
55-59	48,960	46,390	95,350	49,370	46,640	96,010

SEE NOTES AT END OF TABLE.

TABLE 6 (CONCLUDED)
POPULATION BY AGE AND SEX
ALBERTA, 1988 AND 1989

AGE	JANUARY 1, 1988			JANUARY 1, 1989		
	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL
60	8,650	8,610	17,270	9,030	8,760	17,790
61	8,380	8,380	16,760	8,510	8,570	17,080
62	8,070	8,420	16,480	8,230	8,320	16,550
63	7,590	8,110	15,700	7,920	8,370	16,290
64	7,230	8,010	15,240	7,510	8,140	15,650
60-64	39,910	41,530	81,440	41,200	42,170	83,370
65	7,130	8,110	15,230	7,050	7,950	15,000
66	7,090	7,790	14,880	7,070	8,140	15,210
67	6,830	7,860	14,690	6,960	7,770	14,730
68	5,710	6,660	12,370	6,710	7,870	14,590
69	5,460	6,560	12,020	5,610	6,560	12,170
65-69	32,230	36,970	69,190	33,400	38,290	71,690
70	5,260	6,130	11,380	5,370	6,530	11,890
71	5,070	6,060	11,130	5,140	6,080	11,220
72	4,830	5,910	10,740	4,930	5,990	10,920
73	4,720	5,950	10,670	4,690	5,830	10,510
74	4,150	5,430	9,590	4,560	5,870	10,430
70-74	24,040	29,470	53,510	24,690	30,290	54,980
75	3,880	4,980	8,860	3,980	5,360	9,340
76	3,470	4,550	8,020	3,720	4,900	8,610
77	3,310	4,390	7,700	3,280	4,470	7,750
78	3,010	3,910	6,920	3,160	4,270	7,430
79	2,860	3,860	6,730	2,840	3,780	6,610
75-79	16,530	21,690	38,220	16,980	22,760	39,740
80	2,420	3,480	5,900	2,660	3,730	6,380
81	2,240	3,170	5,410	2,250	3,350	5,600
82	2,040	2,930	4,970	2,070	3,020	5,090
83	1,880	2,730	4,610	1,870	2,800	4,670
84	1,580	2,340	3,910	1,710	2,580	4,290
80-84	10,150	14,650	24,800	10,570	15,470	26,030
85	1,360	1,990	3,350	1,430	2,150	3,590
86	1,100	1,730	2,840	1,220	1,860	3,080
87	970	1,680	2,650	970	1,600	2,570
88	720	1,350	2,070	820	1,510	2,330
89	550	1,160	1,710	610	1,200	1,810
85-89	4,710	7,920	12,630	5,060	8,320	13,380
90+	2,250	4,410	6,660	2,280	4,700	6,980
TOTAL	1,194,760	1,186,840	2,381,600	1,211,230	1,204,240	2,415,470

NOTES: AGE AND SEX DISTRIBUTION ARE BASED ON ALBERTA HEALTH CARE REGISTRATIONS.
DATA MAY NOT ADD TO TOTALS DUE TO ROUNDING.
DATA CAN BE RETRIEVED VIA ASIST MATRIX 6140.

METHODOLOGY

METHODOLOGY

Introduction

Since 1977 the Alberta Bureau of Statistics has prepared quarterly population estimates to provide up-to-date information on Alberta's population. These estimates are derived using information from administrative data files obtained from the following government agencies:

- 1) birth and death registrations from Vital Statistics Section, Alberta Health;
- 2) family allowance transfer counts from Income Security Branch, Health and Welfare Canada;
- 3) immigration statistics from Employment and Immigration Canada;
- 4) migration adjustment factors and population estimates for other provinces from Demography Division, Statistics Canada; and
- 5) health care registration data from Alberta Health.

The final estimates are produced using a component method. A description of the basic methodology and the procedures used in estimating each of the population growth components, as well as the age-sex structure is presented in the following sections.

The Component Method

The component method of estimating quarterly population growth employs the population of a previous quarter as a base, and adds the natural increase plus net migration to derive the population estimates for the following quarter. Natural increase is obtained by subtracting deaths from births. Net migration is obtained by aggregating net interprovincial (in-migration minus out-migration) and net international migration (immigration minus emigration). Net migration and natural increase are then combined to derive an estimate of population growth.

Natural Increase

Natural increase is calculated as the difference between the number of births and the number of deaths that occurred during a specific quarter. Preliminary estimates on births and deaths are produced using birth and death rates. The average quarterly crude birth rate and the crude death rate of the preceding year are applied to the estimated provincial population at the beginning of the period to derive the estimated number of births and deaths. These estimates are then replaced by actual counts in the next quarterly report when data are available from the Vital Statistics Section, Alberta Health. These figures for births and deaths are 98% accurate. At the end of the year, the figures are further revised to include late registrations and out-of-province births and deaths.

Interprovincial Migration

Net interprovincial migration is derived as the balance of in-migration to and out-migration from the province.

To obtain preliminary estimates of interprovincial migration, family allowance transfer of accounts are used in conjunction with the latest adjustment factors and child-adult ratios. Since family allowance cheques are mailed to families monthly, there is incentive for these families to report any change in their address. The time lag in reporting such change is usually very small. Over the years family allowance transfer of accounts data have been an accurate source of the movements of children among the provinces.

The procedures used in estimating interprovincial migration for Alberta are further improved by incorporating additional information from tax records migration data. The adult-child ratios as well as adjustment factors for in and out-migration are used in the computation to derive an estimate of adult migration.

Immigration

The estimate of immigration is first produced on a preliminary, basis and then revised when immigration statistics become available. Preliminary estimates are derived taking into consideration the expected number of immigrants to be admitted to Canada in a certain year as announced by Employment and Immigration Canada. Based on the historical immigration records, a ratio is derived to estimate Alberta's share of the total immigrants coming to Canada.

The final estimate of immigrants coming to Alberta is based on statistics compiled from immigration papers which each immigrant submits to the Canadian authority at the port of entry. The immigration papers contain information on the intended place of destination and the place of origin of the immigrant. Since this information is available monthly, the quarterly estimate of immigrants intending to come to Alberta can be calculated. These revised figures are obtained by the subsequent quarter and thus the current quarterly publication updates the previous preliminary estimates.

Emigration

Emigration estimates are derived from a method developed by Statistics Canada in which an adjustment factor is developed from emigration information retrieved from personal income tax files. This adjustment factor is applied to the number of family allowance accounts which have been transferred out of the country during the quarter to obtain the emigration estimate. An adult-child ratio based on latest June 1 population count is then applied to estimate the number of adult emigrants. The sum of estimated adult emigrants and child emigrants, as indicated by family allowance data, equals to the total number of estimated emigrants.

Age-Sex Structure

Age and sex distributions for the January 1 and June 1 estimated population are derived by applying the proportionate age and sex distributions as recorded in the Alberta Health Care Insurance Plan (AHCIP) Master Registration File. Although the health care records are subject to certain limitations such as reporting error, time lags and administrative changes, the age and sex distributions of registrants have proven to accurately reflect the most current age-sex structure of the Alberta population.

GLOSSARY

Birth Rate, or Crude Birth Rate - the number of births in a year divided by the total population.

Child Dependency Ratio - the ratio of children under 15 to working-age persons between the ages of 15 to 64.

Death Rate, or Crude Death Rate - the number of deaths in a year divided by the total population.

Emigration - the migration of population out of a country to another country.

Fertility - the contribution of births to population change.

Immigration - the migration of population into a country from another country.

In-migration - the migration of population into a geographical area.

Median Age - the age at which the population is divided into equal halves, such that one half of the population is older than the median age and the other half of the population is younger than the median age.

Migration - a permanent change of residence from one geographical area to another.

Natural Increase - the net contribution of births less deaths to population change.

Net Migration - the difference between in-migration and out-migration for a geographical area.

Old Age Dependency Ratio - The ratio of persons aged 65 years and over to working-age persons between the ages of 15 and 64.

Out-migration - the migration of population out of a geographical area.

Sex Ratio - the proportion of males to females in a population.

